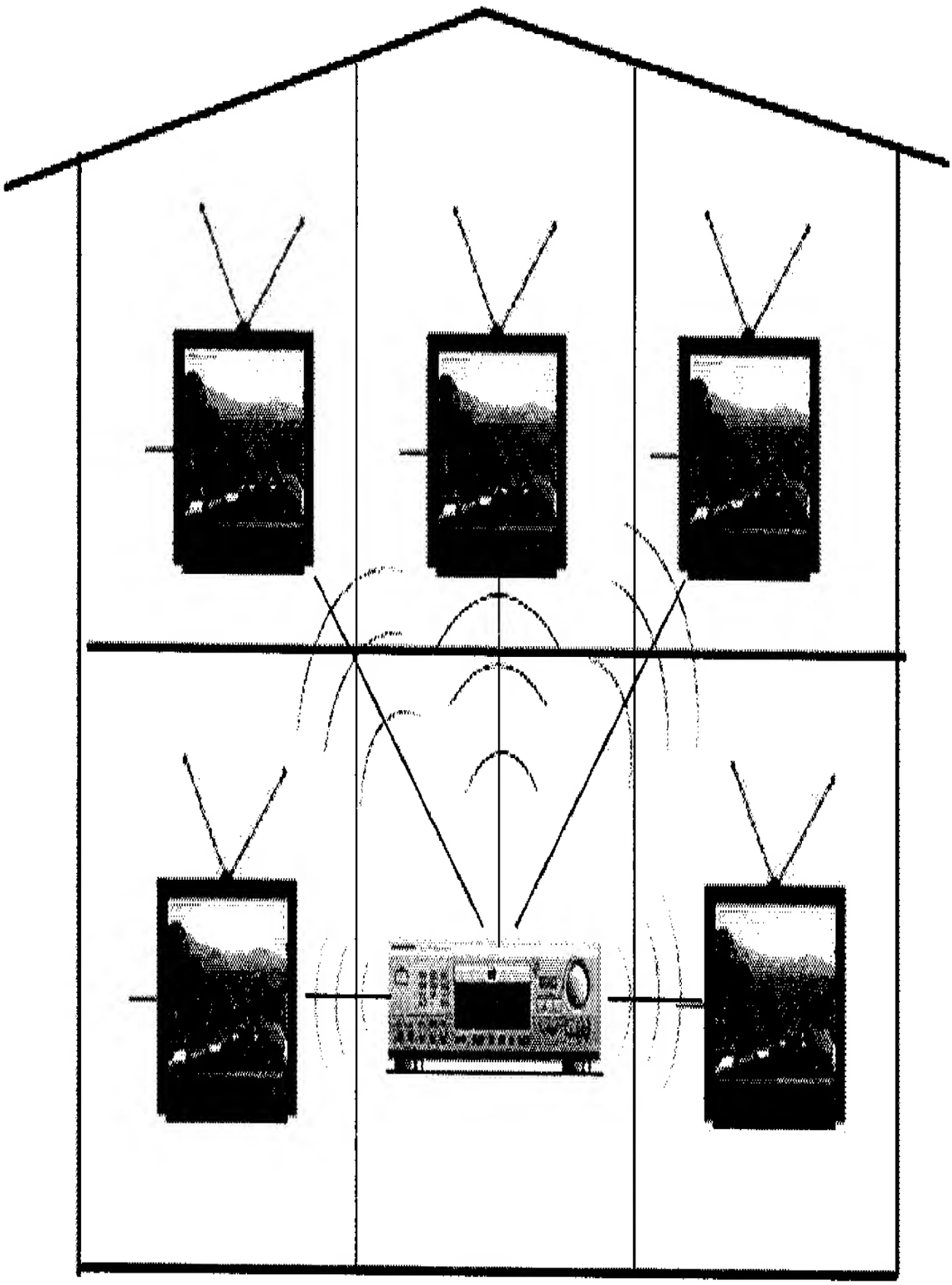

Figure 1

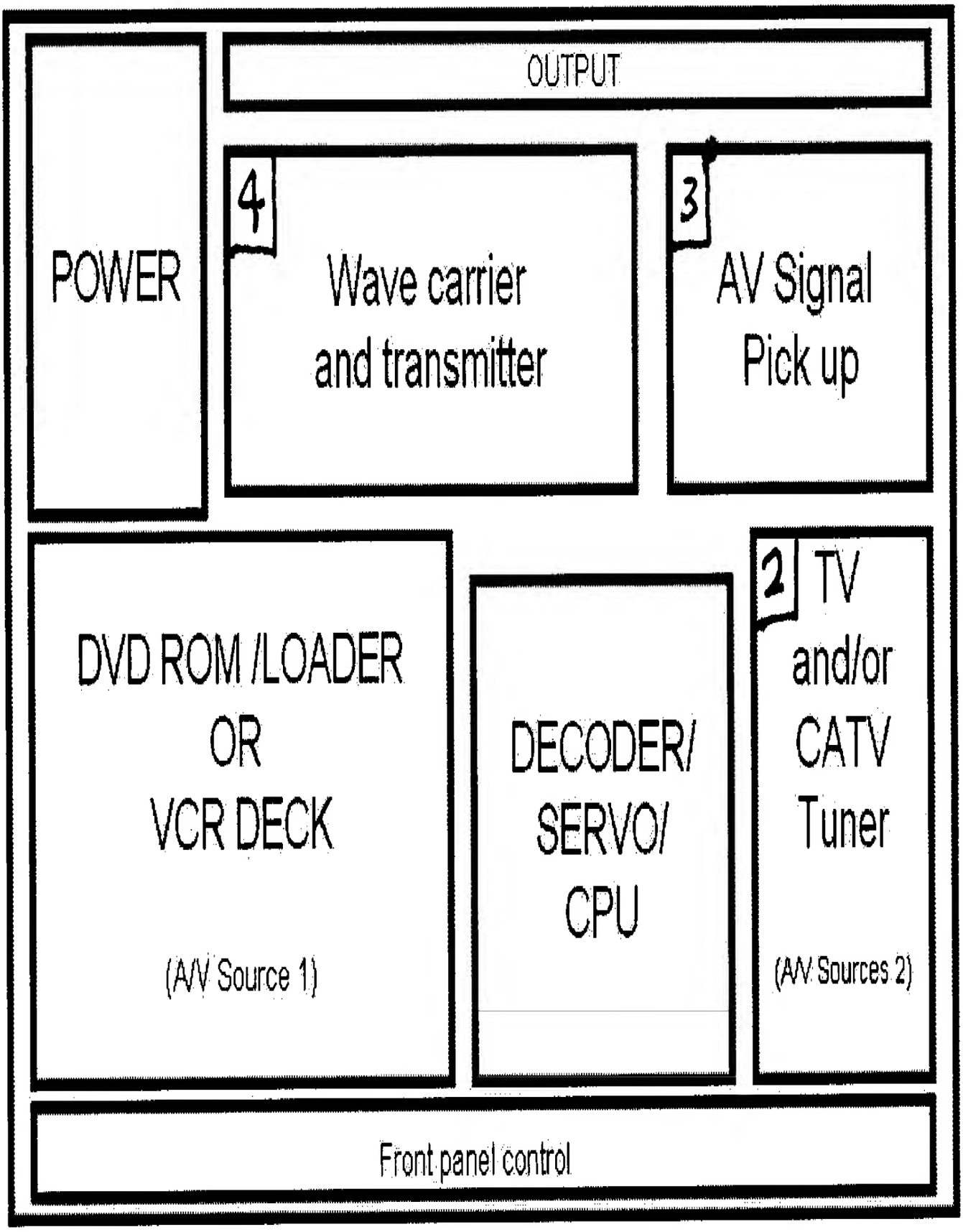
POWER
OUTPUT
4
Wave carrier
and transmitter
3
AV Signal
Pick up
DVD ROM /LOADER
OR
VCR DECK
(A/V Source 1)
DECODER/
SERVO/
CPU
2
TV
and/or
CATV
Tuner
(A/V Sources 2)
Front panel control

Figure 2

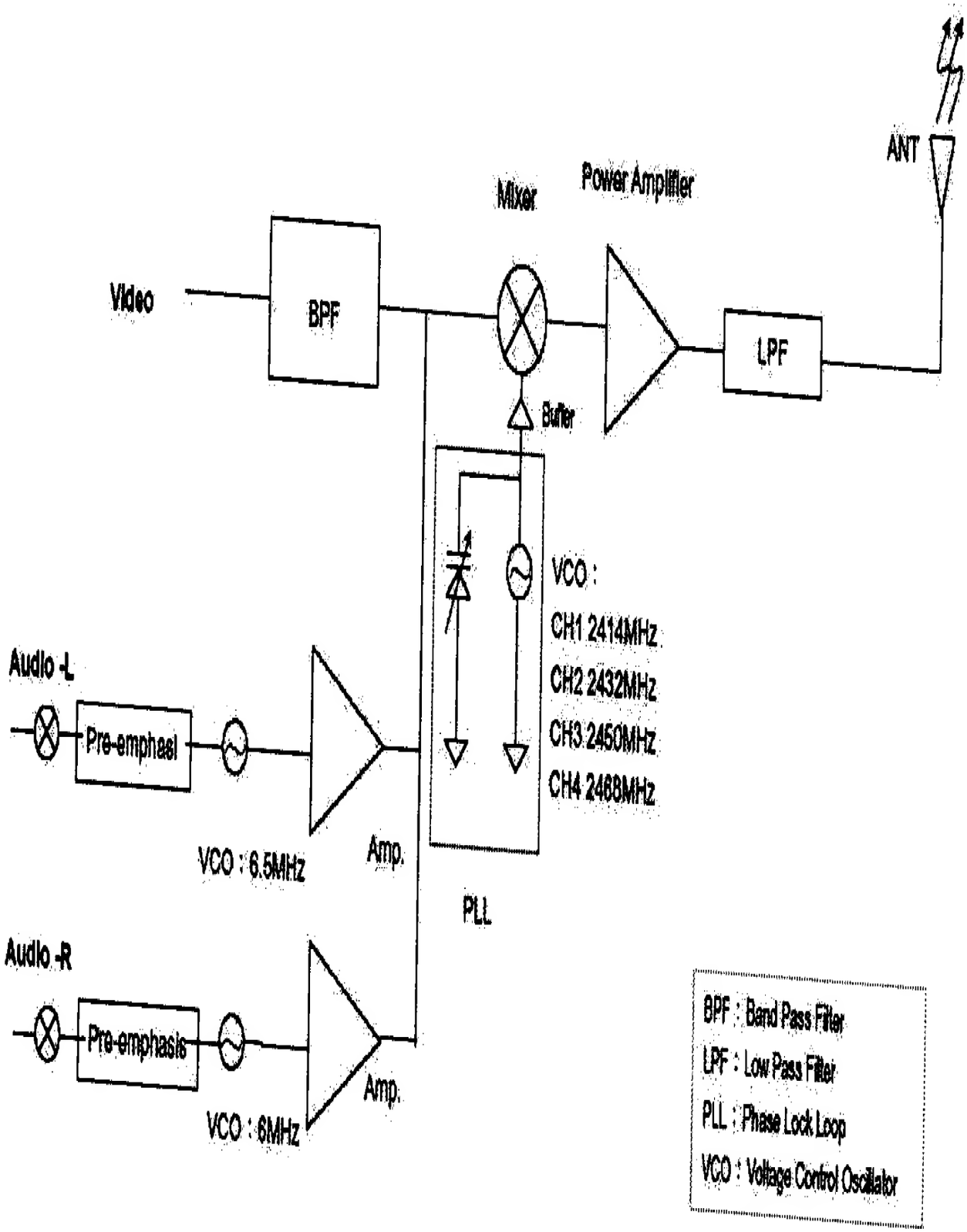
ANT
Mixer
Power Amplifier
Video
BPF
LPF
Buffer
VCO :
CH1 2414MHz
CH2 2432MHz
CH3 2450MHz
CH4 2468MHz
Audio -L
Pre-emphasi
VCO : 6.5MHz
Amp.
PLL
Audio -R
Pre-emphasis
VCO : 6MHz
Amp.
BPF : Band Pass Filter
LPF : Low Pass Filter
PLL : Phase Lock Loop
VCO : Voltage Control Oscillator

Figure 3

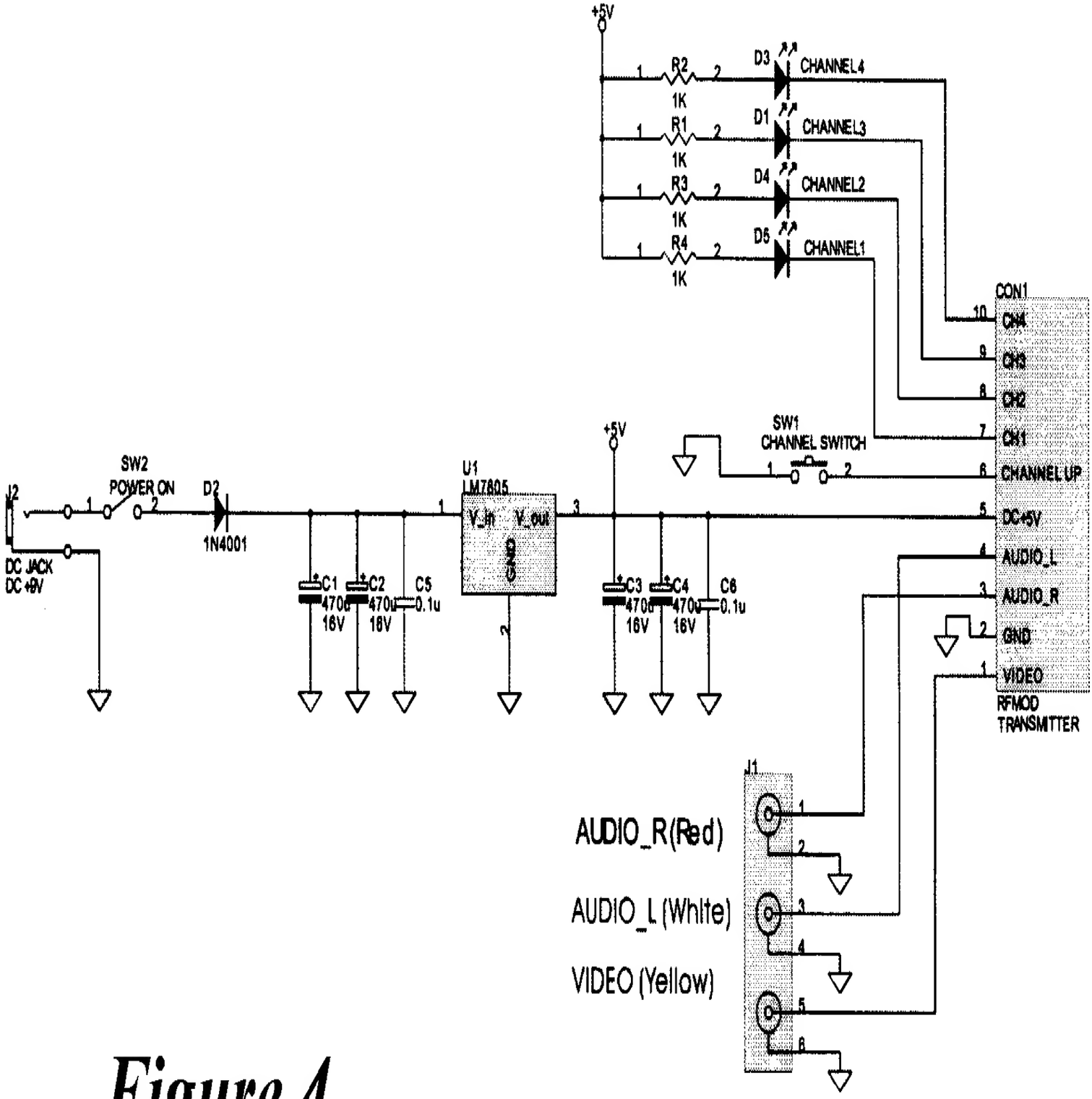
+5V
R2
1K
D3
CHANNEL4
R1
1K
D1
CHANNEL3
R3
1K
D4
CHANNEL2
R4
1K
D6
CHANNEL1
CON1
10 CH4
9 CH3
8 CH2
7 CH1
6 CHANNEL UP
5 DC+5V
4 AUDIO_L
3 AUDIO_R
2 GND
1 VIDEO
RFMOD TRANSMITTER
SW1
CHANNEL SWITCH
SW2
POWER ON
J2
DC JACK
DC +9V
D2
1N4001
C1 470u 16V
C2 470u 16V
C5 0.1u
U1
LM7805
V_in
V_out
GND
C3 470u 16V
C4 470u 16V
C6 0.1u
J1
AUDIO_R(Red)
AUDIO_L (White)
VIDEO (Yellow)

Figure 4